

books OF THE WEEK

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EINSTEIN—Jeremy Bernstein—Viking Pr, 1973, 242 p., \$6.95; paper, \$1.95. New study concentrates on the three basic themes in Einstein's work—the development and consequences of the special theory of relativity; the general theory of relativity and gravitation; and quantum theory.

AN EYE FOR A BIRD: The Autobiography of a Bird Photographer—Eric Hosking with Frank W. Lane; foreword by HRH The Duke of Edinburgh—Eriksson, 1973, 302 p., 130 photographs, \$10. Looks back over nearly half a century of strenuous and happy career documenting bird life, illustrated with a fine selection from some 150,000 pictures taken.

THE HYPERACTIVE CHILD: A Handbook for Parents—Paul H. Wender, M.D.—Crown, 1973, 120 p., \$3.95. An authoritative description of the typical problems of the HA child, why he has these problems, their chemical and/or genetic rather than psychological origin, their response to medication, and the tendency of the problems to diminish or disappear during adolescence.

A MANUAL OF COMMON BEETLES OF EASTERN NORTH AMERICA, Vols. 1 and 2—Elizabeth S. Dillon and Lawrence S. Dillon—Dover, 894 p., 81 plates, 544 drawings, paper, \$10. Unabridged reprint (1961) of identification guide to nearly 1,200 species from 64 families; includes keys, detailed

verbal descriptions and illustrations emphasizing distinguishing marks.

A NATURAL HISTORY OF GIRAFFES—Dorcas MacClintock—Scribner, 1963, 134 p., illus. by Ugo Mochi, map, \$5.95. Gives a full account of what is known about giraffes, their graceful motions illustrated with remarkably graphic black paper cut-outs.

THE PASSENGER PIGEON: Its Natural History and Extinction—A. W. Schorger—U of Okla Pr, 1973, 424 p., 10 plates, drawings, maps, tables, \$9.95. Reissue of detailed and scholarly account of the species, originally published in 1955.

THE PSYCHOLOGY OF CONSCIOUSNESS—Robert E. Ornstein—Viking Pr, 1972, 247 p., illus., \$8.95. Seeking a synthesis of the rational, analytic, and the intuitive, esoteric approaches to psychology, the author re-examines research findings on the two sides of the brain, the time sense of consciousness, meditation exercises, and techniques of self-control.

THEORY OF LINEAR INDUCTION MOTORS—Sakae Yamamura—Wiley, 1973, 172 p., diagrams, \$8.95. Reports on the results of research activities at the University of Tokyo laboratory, demonstrating experimentally some of the important conclusions on the effect of the linear induction motor.

TEXTBOOKS

THE AROMATIC SEXTET—E. Clar, foreword by Robert Robinson—Wiley, 1973, 128 p., illus., paper, \$4.95. Provides authoritative, nonmathematical explanation of the modern concept of aromaticity. Shows student how several experimental techniques may be combined to give complementary approaches to a central problem.

THE BIOLOGICAL WORLD—Alvin Nason and Robert L. Dehaan—Wiley, 1973, 736 p., photographs, diagrams, \$12.95. Text outlines systematically the organized complexity of life, from its molecular basis to evolution and classification.

CLINICAL BIOCHEMISTRY—Homer G. Biggs and Geraldine Woodson—Har-Row, 1973, 283 p., diagrams, \$14.95. Brief introduction to clinical chemistry, intended for laboratory technicians.

COLLISIONS, COALESCENCE AND CRYSTALS: The States of Matter and Their Models—A. Ralph Morgan—Methuen (B&N) 1973, 58 p., diagrams, paper, \$2.75. Small text gives concise account of the underlying patterns and simplicity of the nature of matter.

DEVELOPMENT OF MODERN MATHEMATICS—J. M. Dubbey—Crane-Russak Co., 1973, 145 p., diagrams, \$6.75. Undergraduate text outlines the basic facts in the development of mathematics from earliest times, with emphasis on the rapid growth of the subject in the last 150 years.

DYNAMIC ECOLOGY—Boyd D. Collier and others—P-H, 1973, 563 p., illus., maps, \$11.95. Text examines the whole body of ecological theory, concerned with the dynamics of ecological systems—the interrelations between structure and function at the population, community, and ecosystem levels.

THE EARTH AND ITS HISTORY—Richard Foster Flint—Norton, 1973, 407 p., photographs, drawings, maps, \$9.95. Text covers both the physical and biological evolution, as it follows rock material from bedrock on high land to sediment in the sea, and tells the chronologic story of paleontology.

ENVIRONMENTAL GEOSCIENCE: Interaction Between Natural Systems and Man—Arthur N. Strahler and Alan H. Strahler—Hamilton Pub Co (Wiley), 1973, 575 p., photographs, diagrams, maps, \$12.95. Text

stresses the understanding of the *natural* systems and processes of the earth—physical and biological—and their implication for and impact on man.

ENZYMES: Physical Principles—H. Gutfreund—Wiley-Interscience, 1973, 242 p., diagrams, \$16.50. Graduate text provides the essential physical chemistry needed for the study of modern biochemistry.

FOSSIL MAN: An Evolutionary Journey—Frank E. Poirier, foreword by C. Loring Brace—Mosby, 1973, 227 p., illus., paper, \$6.25. Presents up-to-date picture of hominid evolution, views skeletal remains in the light of what they tell about the populations of which these individuals are representative, their behavior and social organization.

FUNDAMENTAL ELECTROSTATICS—S. W. Hockey—Methuen (B&N), 1973, 84 p., diagrams, paper, \$3.25. Concise text presents fully modern treatment of the physics involved, with references to commercial applications and links with chemistry

MINERAL RESOURCES—Kenneth Warren—Halsted Pr (Wiley), 272 p., photographs, maps, tables, \$9.75. Within the framework of a balanced general treatment, this modern geography text examines the earth's natural resources in the context of geology, politics and economics.

MODERN ASTRONOMY—Ludwig Oster—Holden-Day, 1973, 448 p., photographs, diagrams, \$12.95. Written for one- or two-semester courses in astronomy, quantitative statements are presented by graphs, background physics is explained, and emphasis is on why we think certain statements are true and why certain new observations are attempted.

MOLECULAR BIOLOGY: An Introduction to Chemical Genetics—J. M. Barry and E. M. Barry—P-H, 1973, 142 p., photographs, diagrams, \$9.95; paper, \$4.95. Introduces students to discoveries that show precisely how inherited differences between living organisms are founded on differences in the structure of molecules.

ORGANIC POLYMER CHEMISTRY: An Introduction to the Organic Chemistry of Adhesives, Fibres, Paints, Plastics and Rubbers—K. J. Saunders—Chapman (Halsted Pr), 1973, 473 p., \$18. Text and basic reference, provides a modern account of the subject in which theoretical aspects are closely related to industrial practice.

PHYSICAL ANTHROPOLOGY: A Perspective—John Buettner-Janusch—Wiley, 1973, 572 p., photographs, drawings, diagrams, charts, maps, \$12.95. Undergraduate text for the study of the origins and evolution of man, presents the record of fossils, genes, living primates, human variation, race, and evolutionary theory as a comprehensive whole.

PSYCHOTECHNOLOGY: Electronic Control of Mind and Behavior—Robert L. Schwitzgebel and Ralph K. Schwitzgebel, Eds.—HR&W, 1973, 352 p., illus., paper, \$5. Text examines the apparatus and various functions of electronic technology in such fields as social regulation, behavioral measurement, behavior conditioning and modification, includes social, legal and esthetic considerations.

RELATIVISTIC QUANTUM MECHANICS—I. J. R. Aitchison—B&N, 1973, 20 p., diagrams, \$18.50. Graduate text considers two main topics—the dynamics of interacting relativistic particles, and the covariance and invariance of the relativistic wave equations.

UNDERSTANDING OUR ATMOSPHERIC ENVIRONMENT—Morris Neiburger, James G. Edinger and William D. Bonner—W. H. Freeman, 1973, 293 p., photographs, diagrams, \$10.95. Intended for one-term course for students not majoring in a physical science.

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